

Amendments to the Claims:

Claims 1 and 12 are amended as set forth below.

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A surgical microscope comprising:

a viewing unit for viewing an object;

an image projection module for inputting image data into
said viewing unit;

5 said image projection module including an image display unit
for displaying said image data; and,

 said image projection module including a plano-convex lens
and a plano-concave lens mounted downstream of said image display
~~unit~~ unit; and,

10 said plano-convex lens having an exactly planar surface of
zero radius of curvature and a convex surface.

2. (Original) The surgical microscope of claim 1, wherein said
plano-convex lens has a first focal length and said plano-concave
lens has a second focal length; and, the ratio of said first
focal length and said second focal length lies within a range
5 from 1.9 to 2.5.

3. (Original) The surgical microscope of claim 1, wherein said

viewing unit defines a viewing beam path; and, said image projection module includes a beam splitter mounted in said viewing beam path.

4. (Original) The surgical microscope of claim 3, wherein said plano-convex lens is a first plano-convex lens; said image projection unit further including a concave-convex lens and a second plano-convex lens; said first plano-convex lens, said
5 plano-concave lens, said concave-convex lens and said second plano-convex lens all being arranged between said image display unit and said beam splitter.

Claims 5 to 7 (Cancelled).

8. (Previously Presented) The surgical microscope of claim 1, wherein said image display unit includes a reflection display driven at a clock frequency and illuminated sequentially with different colors as a function of time.

9. (Previously Presented) The surgical microscope of claim 8, wherein said image display unit includes a rotatably mounted filter wheel for illuminating said reflection display; and, a device for synchronizing the rotation of said filter wheel to
5 said clock frequency of said reflection display.

Claims 10 and 11 (Cancelled).

12. (Currently Amended) A surgical microscope comprising:

a viewing unit for viewing an object;
an image projection module for inputting image data into
said viewing unit;

5 said image projection module including an image display unit
for displaying said image data;

 said viewing unit defining a viewing beam path;
 an optical device mounted in said viewing beam path for
providing an image of said object to a location outside of said
10 viewing beam path;

 an image recording module for recording an image of said
object supplied by said viewing unit; and,

 said image recording module including:

 an image sensor mounted to receive said image data from said
15 image projection module;

 an image recording beam splitter mounted outside of said
viewing beam path for directing said image of the object onto
said image sensor;

 a recording device connected to said image sensor for
20 recording said image data and said image of said object; and,

 said image display unit including a reflection display; and,
wherein a time-dependent sequential illumination of said
reflection display with only a single color is improved provided
so that the brightness of said image display unit is increased
25 compared to a display exposed to sequentially RGB illumination.

13. (Previously Presented) A surgical microscope comprising:

 a viewing unit for viewing an object and said viewing unit
defining a viewing beam path;

an image projection module for inputting image data into
5 said viewing unit;

said image projection module including an image display unit
for displaying said image data for transmission into said viewing
unit; and,

said image display unit including a reflection display
10 driven at a clock frequency and illuminated sequentially with
only a single color as a function of time.

14. (Previously Presented) The surgical microscope of claim 1,
wherein said viewing unit defines a viewing beam path; and, said
image projection module includes a Galileo system comprising a
diverging lens and a converging lens arranged so as to permit
5 said image display unit to be optimally coupled into said viewing
beam path.